ORIGINAL
(Red)

To: EPA5511
To: EPA93028
To: EPA9340
To: EPA9374
From: EPA9323 Delivered: Tue 23-July-91 8:37 EDT Sys 163 (53)
Subject: COKE PLANT SITE - POLREP #1
Mail Id: IPM-163-910723-077650779

POLREP #1
COKE PLANT SITE
ROUTE 2
FOLLANSBEE, COUNTY, WV 26037

ATTN: CHARLIE KLEEMAN, GREGG CRYSTALL AND STEPHEN LUFTIG

I. SITUATION (1200 HOURS, MONDAY, JULY 22, 1991)

A. FOR APPROXIMATELY TWO WEEKS A LIGHT SHEEN HAS BEEN PRESENT AROUND OUTFALL 001 ON THE OHIO RIVER AT THE WHEELING PITTSBURGH STEEL COKE PLANT LOCATED IN FOLLANSBEE, WV. ON FRIDAY 7/19/91, 1600 HOURS, A MORE SUBSTANTIAL AMOUNT OF OILLIKE SUBSTANCE WAS FOUND THROUGHOUT THE SAME AREA. WHEELING PITTSBURGH IMMEDIATELY CONTRACTED MPW INDUSTRIAL SERVICES, LOCATED IN PITTSBURGH, PA, TO DEPLOY BOTH SORBENT AND CONTAINMENT BOOMS. THE CHESTER ENGINEERS, A PRIVATE CONTRACTOR ON SITE FOR ANOTHER PURPOSE AT THE FACILITY, WAS TASKED TO IDENTIFY THE SOURCE.

B. OSC FENSKE WAS NOTIFIED OF THE SITUATION, AND DIRECTED TAT TO REVIEW THE MEASURES TAKEN BY WHEELING PITTSBURGH STEEL ON SATURDAY 7/20/91.

II. ACTIONS TAKEN

A. 7/20/91, 1240 HOURS, TAT ARRIVED ON SITE AND MET WITH ED GLENN (AREA SUPERVISOR OF BY-PRODUCTS DIVISION). MR. GLENN UPDATED TAT REGARDING THE BACKGROUND OF THE RELEASE.

B. TAT AND MR. GLENN PROCEEDED TO OUTFALL AREA. TAT OBSERVED AND PHOTODOCUMENTED A SHEEN ALONG THE LEFT DESCENDING BANK OF THE OHIO RIVER. CONTAINMENT AND SORBENT BOOMS WERE PLACED TO CONTAIN AND COLLECT THE SHEEN. MR. GLENN INFORMED TAT THAT MPW WOULD PAD THE AREAS IN WHICH HEAVIER CONTAMINATION WAS FOUND AGAINST

ORIGINAL
(Red)

THE CONTAINMENT BOOM. ALTHOUGH THE OUTFALL DID NOT APPEAR TO BE RELEASING MORE OF THE SUBSTANCE AT THAT TIME, A SOURCE HAD NOT YET BEEN IDENTIFIED. TAT NOTED THAT THE BOOMS WERE ADEQUATELY CONTAINING THE SHEEN AND THAT NO SHEEN WAS OBSERVED DOWNSTREAM OF THE SITE.

C. BEFORE DEPARTING THE SITE AT 1600 HOURS, TAT CONVEYED TO MR. GLENN PER OSC FENSKE'S REQUEST, THE IMMINENT NATURE OF LOCATING THE SOURCE AND THE OSC'S INTENTIONS OF CONTACTING WHEELING PITTSBURGH STEEL FOR AN UPDATE ON MONDAY, 7/22/91.

III. FUTURE PLANS

A. WHEELING PITTSBURGH STEEL TO CONTINUE MAINTAINING BOOMS AND PADS WHILE THE SOURCE SEARCH IS BEING CONDUCTED.

B. OSC AND TAT TO CONTINUE MONITORING THE SITE UNTIL THE SOURCE IS IDENTIFIED AND MITIGATIVE ACTIONS ARE TAKEN.

_____

JAMIE FENSKE, OSC
U.S. EPA - REGION III
WHEELING, WV

EPA Notification of Hazardous Waste Site

United States
Environmental Protection
Agency
Washington DC 20460

(Red)

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810604 WVS-000-001-015

A Person Required to Notify:

Enter the name and address of the person or organization required to notify.

Name: Wheeling-Pittsburgh Steel Corporation
Street: P. O. Box 118
City: Pittsburgh State: PA Zip Code: 15230

B Site Location:

Enter the common name (if known) and actual location of the site.

WHEELING - PITTSBURGH STEEL CORP
Name of Site: Steubenville East Plant
Street: Route 2
City: Follansbee County: Brooke State: W.Va. Zip Code: 26003

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title): Samples, William R. - Corporate Manager Environmental Control
Phone: 304/234-2936

D Dates of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From (Year): Pre-1965 To (Year): 1980 (for K087)
Site continues to be used for disposal of other materials.

WVD 000 431 929

E Waste Type: Choose the option you prefer to complete

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:
Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

1. ☐ Organics
2. ☐ Inorganics
3. ☐ Solvents
4. ☐ Pesticides
5. ☐ Heavy metals
6. ☐ Acids
7. ☐ Bases
8. ☐ PCBs
9. ☐ Mixed Municipal Waste
10. ☐ Unknown
11. ☐ Other (Specify)

_____
_____
_____

Source of Waste:
Place an X in the appropriate boxes.

1. ☐ Mining
2. ☐ Construction
3. ☐ Textiles
4. ☐ Fertilizer
5. ☐ Paper/Printing
6. ☐ Leather Tanning
7. ☐ Iron/Steel Foundry
8. ☐ Chemical, General
9. ☐ Plating/Polishing
10. ☐ Military/Ammunition
11. ☐ Electrical Conductors
12. ☐ Transformers
13. ☐ Utility Companies
14. ☐ Sanitary/Refuse
15. ☐ Photofinish
16. ☐ Lab/Hospital
17. ☐ Unknown
18. ☐ Other (Specify)

_____
_____
_____

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Specific Type of Waste:
EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

K087		

RECEIVED
RCRA SECTION
EPA REGION III
JUN 181 000032

Form Approved
OMB No. 2000-0138

EPA Form 8900-1

Notification of Hazardous Waste Site **Side Two**

F Waste Quantity:

ORIGINAL (Red)

Place an X in the appropriate boxes to indicate the facility types found at the site.

In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.

In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.

Facility Type

1. ☐ Piles
2. ☐ Land Treatment
3. ☑ Landfill
4. ☐ Tanks
5. ☐ Impoundment
6. ☐ Underground Injection
7. ☐ Drums, Above Ground
8. ☐ Drums, Below Ground
9. ☐ Other (Specify) _____

Total Facility Waste Amount

cubic feet: Not Available

gallons:

Total Facility Area

square feet:

acres: 4 A

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☐ Known ☐ Suspected ☐ Likely ☒ None

Note: Items H and I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

y

Attached is a copy of our Application No. 1-478 which was filed in 1972 with the West Virginia Department of Natural Resources for this landfill. This application includes drawings which designate the area.

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

Attached is a copy of our Application No. 1-478 which was filed in 1972 with the West Virginia Department of Natural Resources for the landfill. This application includes a description of the site.

No decanter tar sludge (K087) has been added to this site since November, 1980.

J Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".

Name: William R. Samples

Street: Wheeling-Pittsburgh Steel Corp. Duvall Center

City: Wheeling State: WVA Zip Code: 26003

Signature: William R. Samples Date: 6/5/81

☑ Owner, Present
☑ Owner, Past
☐ Transporter
☑ Operator, Present
☑ Operator, Past
☐ Other

ORIGINAL (Red)

EPA **POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION**

REGION	SITE NUMBER
III	94

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

A. SITE NAME	B. STREET (or other identifier)		
Wheeling/Pittsburgh Steel Corporation	State Route 2		
C. CITY	**D. STATE**	**E. ZIP CODE**	**F. COUNTY NAME**
Follansbee	WV	26307	Brooke

G. OWNER/OPERATOR (if known)

1. NAME: Wheeling - Pittsburg Steel Corp.
2. TELEPHONE NUMBER:

H. TYPE OF OWNERSHIP (if known)

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

SITE DESCRIPTION

The site is on alluvial terrace of the Ohio River. The area is highly industrialzed.

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)

State Hazardous Waste Enforcement Action

K. DATE IDENTIFIED (mo., day, & yr.)

L. SUMMARY OF POTENTIAL OR KNOWN PROBLEM

The company has reportedly buried up to 300 tons of decanter tank car sludge (RCRA hazardous waste K087) onsite. Two locations, containing approximately 15 tons of sludge each, have been identified by DNR RCRA Enforcement personnel.

DNR has issued an administrative order to the company to clean up the site. The municipal well fields for the city of Follansbee are located within three miles of the site.

M. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE (mo., day, & yr.)
Riley Sain	(304) 348-5929	12-30-88

WV 94

POTENTIAL HAZARDOUS WASTE SITE LOG

SITE NUMBER

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

SITE NAME: WHEELING - PITTSBURGH STEEL

CITY: FOLLANSBEE | STATE: W V | ZIP CODE:

SUMMARY OF POTENTIAL OR KNOWN PROBLEM: ACTIVE DISPOSAL SITE (LIKE PLANT WASTES

ITEM	DATE OF DETERMINATION OR COMPLETION	RESPONSIBLE ORGANIZATION OR INDIVIDUAL (EPA, State, Contractor, Other)	PERSON MAKING ENTRY TO LOG FORM	DATE ENTERED ON LOG (mo,day,yr)
1. IDENTIFICATION OF POTENTIAL PROBLEM	9/19/79	EPA WHEELING OFFICE	[illegible]	12/26/79
2. PRELIMINARY ASSESSMENT				
APPARENT SERIOUSNESS OF PROBLEM: ☐ HIGH ☐ MEDIUM ☐ LOW ☐ NONE ☑ UNKNOWN				
3. SITE INSPECTION				
4. EPA TENTATIVE DISPOSITION (check appropriate item(s) below)				
☐ a. NO ACTION NEEDED				
☑ b. INVESTIGATIVE ACTION NEEDED		EPA/STATE OF W V	[illegible]	12/26/79
☐ c. REMEDIAL ACTION NEEDED				
☐ d. ENFORCEMENT ACTION NEEDED				
EPA FINAL STRATEGY DETERMINATION (check appropriate item(s) below)				
☐ a. NO ACTION NEEDED				
☐ b. REMEDIAL ACTION NEEDED				
☐ c. REMEDIAL ACTION NEEDED BUT, NO RESOURCES AVAILABLE				
☐ d. ENFORCEMENT ACTION NEEDED				
☐ (1) CASE DEVELOPMENT PLAN PREPARED				
☐ (2) ENFORCEMENT CASE FILED OR ADMINISTRATIVE ORDER ISSUED				
6. STRATEGY COMPLETED				

EPA Form T2070-1 (10-79)

F11 no incident notification / Trs assessment but no incoming spill report ... 7-1

To: EPA5511
To: EPA93028
To: EPA9340
To: EPA9374
From: EPA9323 Delivered: Thu 20-June-91 16:29
EDT Sys 163 (72)
Subject: WHEELING-PITTSBURGH STEEL - POLREP #1
Mail Id: IPM-163-910620-148420880

POLREP #1
WHEELING PITTSBURGH DISPOSAL SITE
FOLLANSBEE, BROOKE COUNTY, WV 26037
ATTENTION: CHARLES KLEEMAN, GREGG CRYSTALL, AND STEPHEN LUFTIG

I. SITUATION (1400 HOURS, THURSDAY, 6/20/91)

A. ON 6/20/91, REGION III EPA AND TAT CONDUCTED A VISUAL ASSESSMENT OF THE WHEELING PITTSBURGH DISPOSAL SITE IN FOLLANSBEE, BROOKE CO., WV. THIS SITE WAS USED FOR DISPOSAL OF COAL TAR. THE OBJECTIVE WAS TO GATHER INFORMATION REGARDING CURRENT SITE STATUS, DETERMINE IF THERE WAS AN IMMEDIATE THREAT TO THE PUBLIC HEALTH AND/OR THE ENVIRONMENT, AND TO DETERMINE THE SAMPLING LOCATIONS FOR A LATER SAMPLING ASSESSMENT.

B. THE SITE LIES ON AN AREA OF LAND WHICH IS CURRENTLY USED AS A DRYING BED FOR THE FACILITY'S WASTEWATER TREATMENT PLANT SLUDGE. DURING 1959-61, THE SITE WAS USED AS A DUMP FOR COAL TAR WHICH WHEELING PITTSBURGH STEEL (WPS) REPRESENTATIVES CLAIM WAS DUMPED BY THE KOPPERS FACILITY ADJACENT TO THE WPS COKE PLANT. THE SITE ALSO CONTAINS 40,00-50,000 CUBIC YARDS OF FILL WHICH CAME FROM THE CONSTRUCTION OF THE STEUBENVILLE BRIDGE.

C. PERSONNEL ON SCENE: EPA-1, TAT-1, WPS-2.

D. WEATHER: MOSTLY SUNNY, WARM, TEMP. IN THE HIGH 70's.

II. ACTIONS TAKEN

A. ON 6/20/91, AT 0830 HOURS, OSC AND TAT ARRIVED AT THE GUARD HOUSE OF THE WPS COKE PLANT FACILITY AND MET WITH REPRESENTATIVES TO DISCUSS CURRENT INFORMATION REGARDING THE SITE. WPS REPRESENTATIVES UPDATED EPA AND TAT ON USE OF THE SITE SINCE THE INITIAL INVESTIGATION CONDUCTED BY THE EPA BACK IN JUNE, 1982.

B. AT 0910 HOURS, OSC, TAT AND WPS REPRESENTATIVES DEPARTED PLANT FACILITY AND PROCEEDED TO THE DUMP AREA TO PERFORM WINDSHIELD ASSESSMENT. EPA, TAT AND WPS REPRESENTATIVES NOTED THAT THE AREA WHICH IS BEING USED AS THE TREATMENT AREA FOR THE WASTE WATER FROM THE FACILITY CONTAINS THREE GROUND WATER MONITORING WELLS WHICH WILL BE IMPLEMENTED FOR USE WITHIN A WEEK, TWO EXPOSED COAL TAR AREAS ON THE SITE, THE FILL AREA FROM THE CONSTRUCTION OF THE STEUBENVILLE BRIDGE, TWO DEBRIS PILES WHICH APPEARED TO BE DUMP SITES USED BY CITIZENS TO DISPOSE OF THEIR DOMESTIC TRASH AND VARIOUS OTHER SMALL DEBRIS PILE AREAS.

C. OSC AND TAT DETERMINED THAT THE COAL TAR SEEPS AND THE STREAM WOULD NEED TO BE SAMPLED WITH SEDIMENT SAMPLES BEING TAKEN OF THE COAL TAR SEEPS AND BOTH SEDIMENT AND AQUEOUS SAMPLES BEING TAKEN OF THE STREAM WHICH IS LOCATED ON SITE.

D. OSC REQUESTED TO HAVE INFORMATION REGARDING THE MONITORING WELLS TO BE SENT TO HIS OFFICE FOR REVIEW. GERAGHTY & MILLER IS THE ENVIRONMENTAL FIRM WHICH HAS THE INFORMATION REGARDING THESE MONITORING WELLS.

E. OSC AND TAT DEPARTED SITE AT 1020 HOURS TO DISCUSS FUTURE PLANS OF ACTION FOR THE SITE.

III. FUTURE PLANS

A. OSC AND TAT TO PREPARE FOR A SAMPLING ASSESSMENT OF THE SITE.

B. OSC TO OBTAIN THE JUNE 1982 REPORT OF THE INITIAL INVESTIGATION INTO THIS SITE AND REVIEW THIS REPORT TO GATHER BACKGROUND INFORMATION.

C. OSC TO CONTACT AND UPDATE WVDNR ON THE CURRENT SITE STATUS.

D. OSC TO AWAIT MAP OF THE GROUND WATER MONITORING WELLS WHICH HAVE BEEN PLACED ON SITE.

E. OSC AND TAT TO CONTINUE GATHERING BACKGROUND INFORMATION ON THE SITE AND TO INVESTIGATE THE SITE FOR ALL POTENTIAL RESPONSIBLE PARTY(IES).

JAMIE FENSKE, OSC
U.S. EPA REGION III
WHEELING, WV

ORIGINAL (Red)

ENVIRONMENTAL PROTECTION AGENCY
NOTIS DATA MANAGEMENT SYSTEM
COMMENT MAINTENANCE FORM

CARD CODE	NTS IDENTIFICATION NO.	Trans Code	Card No.	COMMENT	
F		C		ATTACHED COPY APPLICATION WV 1-472.	001 S
1 2	13 14 15 16			55 56 58	80

CARD CODE	NTS IDENTIFICATION NO.	COMMENT	
F	C	FILED 1972 WV DEPT NATURAL RESOURCES	002 S
1 2	13 14 15 16	55 56 58	

CARD CODE	NTS IDENTIFICATION NO.	COMMENT	
F	C	NO K087 HAS BEEN ADDED SINCE 1980.	003 S
1 2	13 14 15 16	55 56 58	

CARD CODE	NTS IDENTIFICATION NO.	COMMENT	
F	C	COKE PLANT, NEAR OHIO R.	004 S
1 2	13 14 15 16	55 56 58	

CARD CODE	NTS IDENTIFICATION NO.	COMMENT	
F	C		S
1 2	13 14 15 16	55 56 58	

Subject: wheeling pittsburgh disposal site polrep #3 and final

POLREP #3 AND FINAL
WHEELING PITTSBURGH DISPOSAL SITE
FOLLANSBEE, BROOKE COUNTY, WV 26037
ATTENTION: CHARLES KLEEMAN, GREGG CRYSTALL, AND ERD/OER

I. SITUATION (1130 HOURS, TUESDAY, 1/21/92)

A. ON 11/11/91, TAT CONDUCTED A SAMPLING ASSESSM WHEELING PITTSBURGH SITE IN FOLLANSBEE, BROOK A TOTAL OF FIVE SOIL AND TWO WATER SAMPLES WE COLLECTED AT THE TIME OF THE SAMPLING.

B. ON 1/10/92, OSC TASKED TAT TO REVIEW THE RESU THE SAMPLES COLLECTED ON 11/11/91.

II. ACTIONS TAKEN

A. ON 1/10/92, OSC AND TAT REVIEWED THE ANALYTIC FROM THE SAMPLES COLLECTED AT THE SITE.

B. RESULTS INDICATED THAT THERE WAS NO IMMEDIATE PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT A SITE.

III. FUTURE PLANS

A. OSC TO REFER SITE TO REMEDIAL SECTION OF EPA.

B. OSC TO UPDATE FEDERAL, STATE, AND LOCAL AGENC RESULTS OF SAMPLING.

C. OSC DEEMS NO FURTHER REMOVAL ACTIVITIES REQUI THIS SITE AT THIS TIME.

JAMIE FENSKE, OSC
U.S. EPA REGION III
WHEELING, WV

ORIGINAL
(Red)

RECEIVED
RCRA
EPA

JUN 000031

Wheeling Pittsburgh
STEEL CORPORATION

Duvall Center
Wheeling, West Virginia 26003

June 4, 1981

U. S. Environmental Protection Agency
Region 3
Sites Notification
Philadelphia, PA 19106

Re: STEUBENVILLE EAST LANDFILL
NOTIFICATION OF HAZARDOUS WASTE SITE

Gentlemen:

Attached is our "Notification of Hazardous Waste Site" for our landfill at our plant in Follansbee, West Virginia which formerly received tar decanter tank sludge.

We have reviewed your notification requirements and believe that this is our only site which requires notification. If additional sites should come to our attention, we will notify you immediately.

Very truly yours,

W. R. Samples
Manager
Environmental Control

WRS/ng
Attachments

FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES

FIT PROJECT

ORIGINAL
(Red)

TASK REPORT TO THE ENVIRONMENTAL PROTECTION AGENCY CONTRACT NO. 68-01-6056

A Site Inspection
of

Wheeling-Pittsburg Steel
TDD No. F3-8201-10
EPA No. WV-50

Preparation Date: September 29, 1982

Presented to: Linda Y. Boornazian, Acting DPO
EPA Region III

Prepared by: Eugene Dennis
Eugene Dennis

Reviewed by: Joseph G. McGovern
Joseph G. McGovern, FITL III

ecology and environment, inc.

International Specialists in the Environmental Sciences

Wheeling-Pittsburg Steel
TDD No. F3-8201-10
EPA No. WV-50

TABLE OF CONTENTS

Wheeling-Pittsburg Steel
TDD No. F3-8201-10
EPA No. WV-50

SUMMARY AND RECOMMENDATIONS

1.1 SUMMARY

The Wheeling-Pittsburg Steel Corporation is the owner of the reclaimed strip mine property where Koppers Co., Inc. disposed of coal tar waste during the period 1959 through 1961. The study area (a strip mine) is located off of Route 2 in Coketown, West Virginia. The site is approximately 50 acres in size and reportedly contains 7,500 tons of coal tar waste. Records of the disposed waste are retained by Koppers Co., Inc. Corporate Headquarters Pittsburg, PA.

The exact location of disposal of the coal tar waste is unknown. This can be expected because the material was disposed of during mine reclaimation operations. The waste tar may have been deposited throughout the strip mine. Site representative claim they were not aware of any disposed coal tar waste at the strip mine. However one suspect coal tar disposal area was located during the site inspection. The area is approximately 35 yards x 30 yards. The depth of this waste deposit could not be determined. Site representatives also claimed that they were not aware of this particular area nor of its origin. This supected coal tar waste was sampled. Analysis revealed high concentrations of organic contaminants and moderate concentrations of inorganic contaminants that are typical of coal tar waste (see sample data summary).

A second disposal area was dicovered at the southern portion of the site. A dump truck loaded with lumber was observed travelling in this direction. This section of the site was visited and piles of resin-stained lumber was observed to be openly dumped on the surface. Odors of oil or coal tar were noticed. The wood was from a demolished cooling tower at a Coke and Sinter plant. Site representatives were sensitive about this area and would not permit photographs or air monitoring. Wheeling-Pittsburgh Steel representatives stated that they were coordinating with the West Virginia

Department of Natural Resources (WV DNR) for permission to dispose of this material at the present location. The WV DNR was contacted and it was revealed that Wheeling-Pittsburgh Steel has an outstanding application for a permit to allow disposal of this material at the present location.

Upstream and downstream samples were collected from Mahan Run which flows north-west through the site, and discharges into the Ohio River. These samples analyzed revealed very low concentrations (< 10 ppb) of organic contaminants and moderate concentrations of inorganic contaminants.

Residents in the Archer Heights area depend upon individual wells and springs as a water source. This are is approximately 1 mile to the north-east and is topographically located upgradient from the site. Groundwater in the study area is expected to flow to the west and discharge into the Ohio River. The closest public water supplies (Follansbee and Hooverson Heights systems) utilize groundwater. They are located approximately 2.5 miles to the south. The Follansbee and Hooverson Heights systems service areas along WV State Rt. 2 It is not anticipated that these water supplies are impacted by the site.

1.2 RECOMMENDATIONS

Based on the above findings, FIT Region III recommends that additional soil covering and revegetation of the suspected coal tar waste disposal area be considered.

SECTION 2

Wheeling-Pittsburg Steel
TDD No. F3-8201-10
EPA No. WV-50

FIELD TRIP REPORT

2.1 INTRODUCTION

FIT Region III visited the Wheeling-Pittsburgh Steel Strip Mine in Coketown, WV on June 17, 1982. The purpose of the visit was to conduct a low priority site inspection/sampling task. The FIT team consisted of Eugene Dennis, Bruce Pluta and Susan Belski. As part of the assigned task, FIT III desired to locate and identify the area(s) of coal tar waste disposed at the strip mine. Aside from areas of unauthorized or midnight dumping practices FIT III located two areas of disposal. The field trip report addresses the investigation of these areas. Representatives that accompanied FIT were William Samples and Robert Dobson of Wheeling-Pittsburg Steel and J. E. McFadden of Koppers Co., Inc.

2.2 CONTACTS

William Samples - Manager/Environmental Control
Wheeling-Pittsburg Steel Corp.
Wheeling, West Virginia 26003
304/234-2936

J. E. McFadden - Technical Director/Industrial Products Division
Koppers Co, Inc.
P.O. Box M, Follansbee, WV 26037
304/527-0110

Robert Dobson - Superintendent
Wheeling-Pittsburg Steel Corp.
Coke and Sinter Plant
Follansbee, WV
614/283-5650

Jordan Dern - Koppers Co. Inc.
Pittsburg, PA 15219
412/227-2870

Dave Long - Conservation Officer
West Virginia Dept. of Natural Resources
Law Enforcement Division
Brooke Co. West Virginia
304/829-4825

Wheeling-Pittsburg Steel
TDD No. F3-8201-10
EPA No. WV-50
Field Trip Report

Mark Vignovic - West Virginia Department of Natural Resources
Division of Water Quality
Charleston, WV 25311
304/348-8855

2.3 PERTINENT COMMENTS

Site representatives William Samples, J. E. McFadden and Robert Dubson claim they were not aware of any coal tar waste being dumped at this location during the period 1959 through 1961.

William Samples - Wheeling-Pittsburg Steel on-site conversation Mr. Samples stated that Wheeling-Pittsburg Steel was coordinating with the WV DNR for permission to dispose of the wood debris at the present location. He also stated that photographs or air monitoring at this location would not be permitted.

Jordan Dern - Koppers Co., Inc. Telecon 8/24/82. Mr. Dern stated that according to Koppers records, 7500 tons of coal tar waste have been disposed of at the subject strip mine near Coke town West Virginia during the period 1959-1961.

Dave Long - W. Virginia Dept. of Natural Resources. Telecon 9/9/82. Mr. Long stated that the Ohio River in the area of concern has industrial and recreational uses which include boating and on and off shore fishing. He also stated that Mahau Run is not a stocked trout stream and he did not known of any other uses of the stream.

Mark Vignovic - W. Virginia Dept. of Natural Resources, telecon 9-27-82. Mr. Vignovic stated that Wheeling-Pittsburgh steel has an outstanding application for a permit to allow disposal of the wood debris at the present location. The application was submitted in May, 1982 and is presently being reviewed.

2.4 FIELD OBSERVATIONS

o The weather conditions during the site inspection were cool and cloudy with temperatures ranging between 65° and 70°.

o The site is not bounded by a fence or any other means to control access. No gate was observed on the access road.

o Initial observations revealed several areas where trash and wood debris had been randomly disposed. This may be an indication that unauthorized dumping is a problem at the site.

o Excavated strip mine material was observed in one area of the site. (See site sketch).

o FIT III observed an area where suspect coal tar waste material was openly dumped and spread on the surface. This area was approximately 35 yards x 30 yards. The surface of the waste material was sand-like and varied between 4 and 8 inches in thickness. It appeared to have volatalized leaving a solid, unconsolidated and fine-grained material. Noticeable odors were not observed upon intial entry to this area. Below the sandy top cover, a black, resin-like material was observed. Noticeable odors of coal tar were released when this material was exposed, and readings of 700 ppm on the OVA were recorded. FIT attempted to dig down into this material but it could not be penetrated more than a few inches with a shovel. Therefore, the total depth of this material is unknown. This material was sampled (see site sketch and photo #'s 1 through 8.)

o Areas of dead vegetation and partially stained soil were observed near the disposal area.

o Deer tracks were noted across the disposal area.

o FIT III observed a truck hauling resin-stained wood to another area of the site. FIT visited the area and observed piles of stained wood. Site representatives claim the wood is from a cooling tower that is being demolished and rebuilt. Wheeling-Pittsburg Steel Corp. is currently seeking WV DNR permission to legally dispose of this material at the present location. Noticeable odors of oil and coal tar were emanating from the wood pile.

o The site is bounded by residential areas to the north, wooded/residential areas to the east, industrial/residential areas to the south and industrial areas to the west.

o Mahan Run was observed to be a shallow, slow flowing stream with clear water. The water depth was approximately 1-1.5 ft. deep. Upstream and downstream samples were obtained.

o Initial air monitoring with the OVA at the suspected coal tar disposal area revealed no readings above background; except when the tar was disturbed.

2.5 SAMPLE LOG

2.5.1 Low Concentration Samples

Mahan Creek downstream
Low concentration aqueous
Organic No. C1492
Inorganic No. MC9081
Time 10:15 by Susan Belski
pH= 6.9

Wheeling-Pittsburg Steel
TDD No. F3-8201-10
EPA No. WV-50
Field Trip Report

Mahan Creek upstream
Low concentration aqueous
Organic No. C1493
Inorganic No. MC9082
Time 10:40 by Bruce Pluta
pH= 7.00

ORIGINAL
(Red)

Blank
Low concentration aqueous
Organic No. C1494
Inorganic No. MC9083
By Eugene Dennis

2.5.2 Medium Concentration Samples

Suspected coal tar waste
Medium concentration solid
Organic No. C1475
Inorganic No. MC9064
Time 09:45 by Bruce Pluta

Blank
Medium Concentration aqueous
Organic No. C1596
Inorganic No. MC9185
By Susan Belski

2.5.3 Laboratories

Low concentration aqueous-organic
West Coast Technical Service
1760 S, Fabrica Way, Suite D
Cerritos, CA 90701

Wheeling-Pittsburg Steel
TDD No. F3-8201-10
EPA No. WV-50
Field Trip Report

Low concentration aqueous-inorganic

California Analytical Labs

5895 Power Inn Road

Sacramento, CA 95824

Hazardous Samples - Medium concentration organic

Energy Resources Co., Inc.

185 Alewife Brook Parkway

Cambridge, Middlesex, MA 02138

Hazardous Samples - Medium concentrations inorganic

Rocky Mountain Analytical Labs

5530 Marshall Street

Arvado, CO 80002

SECTION 3

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER *(to be assigned by Hq)*
III	

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition *(Section II)*. File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME	B. STREET *(or other identifier)*		
Wheeling-Pittsburgh Strip mine-Koppers Disposal Site	USGS 7.5 Min. Steubenville East; strip mine adjacent to BM 681		
C. CITY	**D. STATE**	**E. ZIP CODE**	**F. COUNTY NAME**
Coketown	WV		Brooke

G. SITE OPERATOR INFORMATION

1. NAME	2. TELEPHONE NUMBER		
Wheeling-Pittsburgh Steel Company	304-234-0000		
3. STREET	**4. CITY**	**5. STATE**	**6. ZIP CODE**
1134 Market St.	Wheeling	WV	26003

H. REALTY OWNER INFORMATION *(if different from operator of site)*

1. NAME	2. TELEPHONE NUMBER	
3. CITY	**4. STATE**	**5. ZIP CODE**

I. SITE DESCRIPTION Reclaimed strip mine in which tar wastes were disposed by Koppers Co. near Coketown, West Virginia.

J. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE

II. TENTATIVE DISPOSITION *(complete this section last)*

A. ESTIMATE DATE OF TENTATIVE DISPOSITION *(mo., day, & yr.)*	B. APPARENT SERIOUSNESS OF PROBLEM
3/15/82	☐ 1. HIGH ☐ 2. MEDIUM ☒ 3. LOW ☐ 4. NONE

C. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE *(mo., day, & yr.)*
Eugene Dennis	609-665-1515	7/1/82

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME	2. TITLE	
Eugene Dennis	Geologist	
3. ORGANIZATION		**4. TELEPHONE NO.** *(area code & no.)*
Ecology and Environment, Inc. FIT III		609-665-1515

B. INSPECTION PARTICIPANTS

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
Susan Belski Bruce Pluta	Ecology and Environment, Inc. FIT III	609-665-1515

C. SITE REPRESENTATIVES INTERVIEWED *(corporate officials, workers, residents)*

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
W. R. Samples	Manager/Environmental Control-304-234-2936	Wheeling-Pittsburgh Steel Corp. Wheeling, West Virginia 26003
J. E. McFadden	Technical Director-Industrial Products Div. 304-527-0110	Koppers Co., Inc. P.O. Box M, Follansbee West Virginia 26037
Robert Dobson	Superintendent Coke & Sinter Plant 614-283-5650	Wheeling-Pittsburgh Steel, Coke and Sinter Plant, Follansbee, WV

Continued From Front

III. INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (sources of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
Koppers Co. Follansbee Plant	304-527-0110	Koppers co., Inc. P.O. Box M Follansbee, WV 26037	Coal tar waste

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
Koppers Co. Follansbee Plant	304-527-0110	Same as above	Coal tar waste

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
N/A		

G. DATE OF INSPECTION (mo., day, & yr.)	H. TIME OF INSPECTION	I. ACCESS GAINED BY: (credentials must be shown in all cases)
6/17/81	8:30 to 13:00	☒ 1. PERMISSION ☐ 2. WARRANT

J. WEATHER (describe)

Cool, cloudy 60°F

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER			
b. SURFACE WATER	X	California Analytical Laboratories-Inorganic West Coast Technical Service-Organic 7/28/82	9/9/82 Enclosed
c. WASTE Black resin suspected coal tar waste		Rocky Mountain Analytical-Inorganic Energy Resources Co., Inc.-Organic	7/19/82 8/2/82
d. AIR			
e. RUNOFF			
f. SPILL		ORIGINAL (Red)	
g. SOIL			
h. VEGETATION			
i. OTHER (specify)			

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
Organic vapors w/ OVA	Suspected coal tar disposal area	700 ppm above bkg. bkg.=0 ppm
pH measurements	All aqueous samples	pH range from 6.9 to 7.0

Continue On Page 3

Continued From Page 2

IV. SAMPLING INFORMATION *(continued)*

C. PHOTOS

1. TYPE OF PHOTOS: [X] a. GROUND [ ] b. AERIAL

2. PHOTOS IN CUSTODY OF: Ecology and Environment, Inc. FIT Region III

D. SITE MAPPED?

[X] YES. SPECIFY LOCATION OF MAPS: Ecology and Environment, FIT III

E. COORDINATES

1. LATITUDE *(deg.-min.-sec.)*: 40° 20' 54" N

2. LONGITUDE *(deg.-min.-sec.)*: 80° 36' 14" W

V. SITE INFORMATION

A. SITE STATUS

[ ] 1. ACTIVE *(Those inductrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)*

[X] 2. INACTIVE *(Those sites which no longer receive wastes.)*

[ ] 3. OTHER *(specify)*: _____ *(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)*

B. IS GENERATOR ON SITE?

[X] 1. NO [ ] 2. YES *(specify generator's four-digit SIC Code)*: _____

ORIGINAL

C. AREA OF SITE *(in acres)*: Approx. 50 acres

D. ARE THERE BUILDINGS ON THE SITE?

[X] 1. NO [ ] 2. YES *(specify)*:

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity*(ies)* and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS./TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER *(specify)*:		6. OTHER *(specify)*:		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY	X	8. OTHER *(specify)*: Reclaimed strip mine
					9. OTHER *(specify)*:		

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

[ ] 1. STORAGE [ ] 2. INCINERATION [ ] 3. LANDFILL [ ] 4. SURFACE IMPOUNDMENT [ ] 5. DEEP WELL

[ ] 6. CHEM/BIO/PHYS TREATMENT [ ] 7. LANDFARM [ ] 8. OPEN DUMP [ ] 9. TRANSPORTER [ ] 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

[ ] 1. LIQUID [X] 2. SOLID [X] 3. SLUDGE [ ] 4. GAS

B. WASTE CHARACTERISTICS

[ ] 1. CORROSIVE [ ] 2. IGNITABLE [ ] 3. RADIOACTIVE [ ] 4. HIGHLY VOLATILE

[X] 5. TOXIC [ ] 6. REACTIVE [ ] 7. INERT [ ] 8. FLAMMABLE

[ ] 9. OTHER *(specify)*:

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Koppers Co. records Pittsburgh PA-stated hat 7500 tons of coal tar waste were deposited in the strip mine during 1959-1961.

Continue On Reverse

Continued From Front

VII. WASTE RELATED INFORMATION *(continued)*

2. Estimate the amount *(specify unit of measure)* of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT: 7500	AMOUNT:	AMOUNT:	AMOUNT:	AMOUNT:	AMOUNT: Unknown
UNIT OF MEASURE: tons	UNIT OF MEASURE:	UNIT OF MEASURE:	UNIT OF MEASURE:	UNIT OF MEASURE:	UNIT OF MEASURE:
X (5) OTHER *(specify)*: Suspecte coal tar waste					(5) OTHER *(specify)*: Trash, wood debris.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY, PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER *(specify)*:	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER *(specify)*:	(3) CAUSTICS	(3) MILLING/MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMELTING WASTES	X (4) MUNICIPAL
			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER *(specify)*:
			(6) CYANIDE	(6) OTHER *(specify)*:	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER *(specify)*:		

ORIGINAL (Red)

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE *(place in descending order of hazard)*

1. SUBSTANCE	2. FORM *(mark 'X')*			3. TOXICITY *(mark 'X')*				4. CAS NUMBER	5. AMOUNT	6. UNIT
	a. SOLID	b. LIQ.	c. VAPOR	a. HIGH	b. MED.	c. LOW	d. NONE			
Suspected coal tar	X				X			N/A	Unknown	N/A

VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

☐ A. HUMAN HEALTH HAZARDS

None

Continue On Page 5

Continued From Front

VIII. HAZARD DESCRIPTION (continued)

[X] H. DAMAGE TO FLORA/FAUNA

Obvious signs of dead vegetation in suspected coal tar waste disposal area.

[ ] I. FISH KILL

None reported

[X] J. CONTAMINATION OF AIR

Organic Vapor Analyzer revealed readings of 700 ppm at the suspected coal tar waste disposal area.

[X] K. NOTICEABLE ODORS

Distinct odors of coal tar waste at disposal area.

ORIGINAL
(Red)

[X] L. CONTAMINATION OF SOIL

Areas of contaminated soil observed at suspected coal tar waste disposal area.

[ ] M. PROPERTY DAMAGE

None

Continue On Page 7

Continued From Page 4

VIII. HAZARD DESCRIPTION *(continued)*

☐ **B. NON-WORKER INJURY/EXPOSURE**

None reported-However, potential exist through direct contact with suspected coal tar.

☐ **C. WORKER INJURY/EXPOSURE**

None reported.

ORIGINAL (Red)

☐ **D. CONTAMINATION OF WATER SUPPLY**

None

☐ **E. CONTAMINATION OF FOOD CHAIN**

☐ **F. CONTAMINATION OF GROUND WATER**

Potential exists due to strip mine activity-not reported however.

☒ **G. CONTAMINATION OF SURFACE WATER**

Sampling of Mahan Run revealed very low concentrations (< 10 ppb) of various priority pollutant contaminants and moderate concentrations of inorganic contaminants.

Continued From Page 6

VIII. HAZARD DESCRIPTION *(continued)*

☐ N. FIRE OR EXPLOSION

None reported.

☒ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

Suspected coal tar waste openly spilled onto surface.

ORIGINAL (Red)

☐ P. SEWER, STORM DRAIN PROBLEMS

Not applicable

☒ Q. EROSION PROBLEMS

Site is a reclaimed strip mine and is moderately eroded.

☒ R. INADEQUATE SECURITY

The site does not have any means to control access.

☐ S. INCOMPATIBLE WASTES

No. based on available records of waste disposed.

VIII. HAZARD DESCRIPTION *(continued)*

[X] T. MIDNIGHT DUMPING

Domestic trash, wood and other debris observed during inspection. No site security.

[ ] U. OTHER *(specify)*:

Not Applicable

ORIGINAL
(Red)

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE *(specify units)*
1. IN RESIDENTIAL AREAS	Approx. 4800	4800/1 mile radius	Approx. 175	1 mile radius
2. IN COMMERCIAL OR INDUSTRIAL AREAS	450	450/ 1/4 mile	Coke & Sinter Plant Several Buildings	1/4 mile
3. IN PUBLICLY TRAVELLED AREAS				
4. PUBLIC USE AREAS *(parks, schools, etc.)*	None			

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER *(specify unit)*	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
Follansbee well-90 ft. Hooverson Heights-74 ft.	West-towards Ohio River	Public Water Supply
D. POTENTIAL YIELD OF AQUIFER	**E. DISTANCE TO DRINKING WATER SUPPLY** *(specify unit of measure)*	**F. DIRECTION TO DRINKING WATER SUPPLY**
Follansbee well-unknown Hooverson Hts.-Total of 4 wells (750 gpm)	Approx. 1.5 miles	South East and North

G. TYPE OF DRINKING WATER SUPPLY

[ ] 1. NON-COMMUNITY < 15 CONNECTIONS

[X] 2. COMMUNITY *(specify town)*: Follansbee and Hooverson Heights
> 15 CONNECTIONS

[ ] 3. SURFACE WATER

[X] 4. WELL (community)

Continue On Page 9

Continued From Page 8

X. WATER AND HYDROLOGICAL DATA *(continued)*

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE

1. WELL	2. DEPTH *(specify unit)*	3. LOCATION *(proximity to population/buildings)*	4. NON-COMMUNITY *(mark 'X')*	5. COMMUNITY *(mark 'X')*
No drinking water wells located within 1/4 mile of site.				

I. RECEIVING WATER

1. NAME
Ohio River
Mahan Run

☐ 2. SEWERS ☒ 3. STREAMS/RIVERS ☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER *(specify)*:

ORIGINAL (Red)

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS
The Ohio River in the area of concern is used for industrial and recreational purposes which include boating and off and on shore fishing. Mahan Run is a warm water fish stream.

XI. SOIL AND VEGITATION DATA

LOCATION OF SITE IS IN:

☐ A. KNOWN FAULT ZONE N/A ☐ B. KARST ZONE ☐ C. 100 YEAR FLOOD PLAIN ☐ D. WETLAND

☐ E. A REGULATED FLOODWAY ☐ F. CRITICAL HABITAT ☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	B. BEDROCK *(specify below)*	'X'	C. OTHER *(specify below)*
X	1. SAND	X	Limestone, siltstone, shale.		
X	2. CLAY				
	3. GRAVEL				

XIII. SOIL PERMEABILITY

☐ A. UNKNOWN ☐ B. VERY HIGH *(100,000 to 1000 cm/sec.)* ☐ C. HIGH *(1000 to 10 cm/sec.)*

☐ D. MODERATE *(10 to .1 cm/sec.)* ☐ E. LOW *(.1 to .001 cm/sec.)* ☒ F. VERY LOW *(.001 to .00001 cm/sec.)*

G. RECHARGE AREA

☐ 1. YES ☐ 2. NO 3. COMMENTS:

H. DISCHARGE AREA

☒ 1. YES ☐ 2. NO 3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE	2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.
40-50%	Sloping West

J. OTHER GEOLOGICAL DATA

Reclaimed strip mine; area is moderately eroded.

Continue On Reverse

Continued From Front

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1. YES	2. NO	3. UNKNOWN
No permits issued.							

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☒ NONE ☐ YES (summarize in this space)

Currently working with WV DNR to obtain permit for disposal of contaminated wood from demolished smoke stack at plant.

ORIGINAL (Red)

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition *(Section II)* information on the first page of this form.

SECTION 4

SAMPLE DATA SUMMARY

Site Name: Wheeling-Pittsburgh Steel
TDD No.: 8201-10
EPA No.: WV-50
Date of Sample: 6-17-82

☒ ORGANIC
☐ INORGANIC
} COMPOUNDS IDENTIFIED IN SAMPLE RESULTS

Concentrations in: ppb = ug/l - L (aqueous); ppb = ug/kg - S (solid)

(For tentatively identified compounds see Analytical Data Sheets in the appendixes

Sample I.D. No. Types and Location	Element/Compound Name: methylene chloride	tetrachloroethylene	Phenol	chloroform	di-n-butyl phthalate				Comment
Sample Blank C1494			*	*					* - <10ug/l
Lab Blank	*	*			*				
C-1493 - Mahan Run Upstream	*								
C-1492 - Mahan Run Downstream	*	*							

SAMPLE DATA SUMMARY

Site Name: Wheeling-Pittsburgh Steel
TDD No.: 8201-10
EPA No.: WV-50
Date of Sample: 6-17-82

☐ ORGANIC
☒ INORGANIC
} COMPOUNDS IDENTIFIED IN SAMPLE RESULTS

Concentrations in: ppb = ug/l - L (aqueous); ppb = ug/kg - S (solid)

(For tentatively identified compounds see Analytical Data Sheets in the appendixes

Element/Compound Name

Sample I.D. No. Types and Location	Aluminum	Chromium	Barium	Beryllium	Cadmium	Cobalt	Copper	Iron	Comment
Sample Blank MC9083	<200	12	<100	<5	<1	<50	<50	<50	Detection limits except for Cr.
Lab Blank									1000
MC-9082 Mahan Run Upstream	1200				1.1			1300	
MC-9081 Mahan Run Downstream	1500		470		1.8			2400	

SAMPLE DATA SUMMARY

Site Name: Wheeling-Pittsburgh Steel
TDD No.: 8201-10
EPA No.: WV-50
Date of Sample: 6-17-82

☐ ORGANIC
☒ INORGANIC
} COMPOUNDS IDENTIFIED IN SAMPLE RESULTS

Concentrations in: ppb = ug/l - L (aqueous); ppb = ug/kg - S (solid)

(For tentatively identified compounds see Analytical Data Sheets in the appendixes

Sample I.D. No. Types and Location	Element/Compound Name: LEAD	NICKEL	MANGANESE	ZINC	BORON	VANADIUM	ARSENIC	ANTIMONY	Comment
Sample Blank MC 9083	<5	<40	<15	57	<100	<200	<10	<20	Detection limits except for Zn
Lab Blank									
MC-9082-Mahan Run Upstream	7.8		110		160				
MC-9081 Mahan Run Downstream			240	63					

SAMPLE DATA SUMMARY

Site Name: Wheeling-Pittsburgh Steel
TDD No.: 8201-10
EPA No.: WV-50
Date of Sample: 6-17-82

☐ ORGANIC
☒ INORGANIC
} COMPOUNDS IDENTIFIED IN SAMPLE RESULTS

Concentrations in: ppb = ug/l - L (aqueous); ppb = ug/kg - S (solid)

(For tentatively identified compounds see Analytical Data Sheets in the appendixes

Sample I.D. No. Types and Location	Element/Compound Name: Selenium	Thallium	Mercury	Tin	Silver	Cyanide			Comment
Sample Blank MC 9083	<2	<10	<.02	<20	<10	<10			Detection Limits
Lab Blank									
MC9082 Mahan Run Upstream	3.0								
MC9081 Mahan Run Downstream									

SAMPLE DATA SUMMARY

Site Name: Wheeling-Pittsburgh Steel
TDD No.: 3201-10
EPA No.: WV-50
Date of Sample: 6-17-82

☒ ORGANIC
☐ INORGANIC
} COMPOUNDS IDENTIFIED IN SAMPLE RESULTS

Concentrations in: ppb = ug/l - L (aqueous); ppb = ug/kg - S (solid)

(For tentatively identified compounds see Analytical Data Sheets in the appendixes

Sample I.D. No. Types and Location	Element/Compound Name: phenol	acenaphthene	fluoranthene	naphthalene	4-nitrophenol	di-n-butyl phthalate	benzo(a)anthracene	benzo(a)pyrene	Comment
Sample Blank C-1596									None Detected
Lab Blank									
C-1495 black resin - suspected coal tar waste	450	150	2400	4300	160	12	1500	1550	

Sheet of

SAMPLE DATA SUMMARY

Site Name: Wheeling-Pittsburgh Steel
TDD No.: 8201-10
EPA No.: WV-50
Date of Sample: 6-17-82

☒ ORGANIC
☐ INORGANIC
} COMPOUNDS IDENTIFIED IN SAMPLE RESULTS

Concentrations in: ppb = ug/l - L (aqueous); ppb = ug/kg - S (solid)

(For tentatively identified compounds see Analytical Data Sheets in the appendixes

Sample I.D. No. Types and Location	Element/Compound Name: benzo(k)fluoranthene	chrysene	acenaphthylene	benzo(g,h,i)perylene	fluorene	phenanthrene	dibenzo(a,h) anthracene	indeno(1,2,3-cd)pyrene	Comment
Sample Blank C-1596									None Detecte
Lab Blank									
C-1475 blackresin - suspected coal tar waste	3300	1200	630	600	1900	3900	240	750	

Sheet of

SAMPLE DATA SUMMARY

Site Name: Wheeling-Pittsburgh Steel
TDD No.: 8201-10
EPA No.: WV-50
Date of Sample: 6-17-82

☒ ORGANIC
☐ INORGANIC
} COMPOUNDS IDENTIFIED IN SAMPLE RESULTS

ORIGINAL

Concentrations in: ppb = ug/l - L (aqueous); ppb = ug/kg - S (solid)

(For tentatively identified compounds see Analytical Data Sheets in the appendixes)

Element/Compound Name

Sample I.D. No. Types and Location		Xylene	benzene	Ethylbenzene	toluene					Comments
Sample Blank C-1596		18		12						
Lab Blank										
C-1975 - black resin - suspected coal tar waste	1700	35000	160	17000						

SAMPLE DATA SUMMARY

Site Name: Wheeling-Pittsburgh Steel
TDD No.: 8201-10
EPA No.: WV-50
Date of Sample: 6-17-82

☐ ORGANIC
☒ INORGANIC
} COMPOUNDS IDENTIFIED IN SAMPLE RESULTS

Concentrations in: ppb = ug/l - L (aqueous); ppb = ug/kg - S (solid)

(For tentatively identified compounds see Analytical Data Sheets in the appendixes

Sample I.D. No. Types and Location	Element/Compound Name: Aluminum	Iron	Manganese	Zinc	Arsenic	Lead	Cyanide	Comment
Sample Blank MC-9185								None detected
Lab Blank								
MC-9064 black Resin - suspected coal tar waste	160×10^3	54×10^3	40×10^3	4.5×10^3	1.8×10^3	8.5×10^3	6.2×10^3	

SECTION 5

ECOLOGY AND ENVIRONMENT, INC.
TOXICOLOGICAL ASSESSMENT
SITE: Wheeling-Pittsburg Steel
TDD NO.: F3-8201-10
EPA NO.: WV-50
DATE: September 29, 1982

Based on review of Background Information, Site Observations and Laboratory Analytical Data, the following conclusions are indicated:

[XX] There is no indication of an imminent or severe adverse toxicological impact to public health or the environment.

[ ] There are possible indication(s) of potential adverse toxicological and/or environmental impact. A more compreshensive Site Investigation and Sampling Program is recommended.

[ ] A review of the information presented herein is sufficient to indicate a potential adverse impact on human health and/or the environment. A Toxicological Impact Assessment is advised.

Samples of waste and surface water collected on 6/17/82 at this Wheeling-Pittsburgh Steel coal tar disposal site revealed the following:

o No organics were detected above sample blank quantities in Mahan Run Creek flowing adjacent to the site area.

o No inorganics at levels of toxicologic concern were noted in this creek.

The sample of the suspected coal tar reveals the presence of potentially carcinogenic polynuclear aromatic hydrocarbons that comprise coal tar. The known carcinogen, benzene, at 35,000 ug/l, and cyanide at 62,000 ug/l were detected in this sample.

Air readings up to 700 ppm on the OVA were noted after the waste was disturbed; however, no readings above background were detected initially. Since there appears to be no release of contaminants into the surface water and there are no groundwater targets, the only hazard assoicated with this site appears to be from inhalation if the waste is disturbed.

Gregg Crystall, Industrial Hygienist

Kenneth G. Symms, Ph.D., Toxicologist

SECTION 6

APPENDIX A

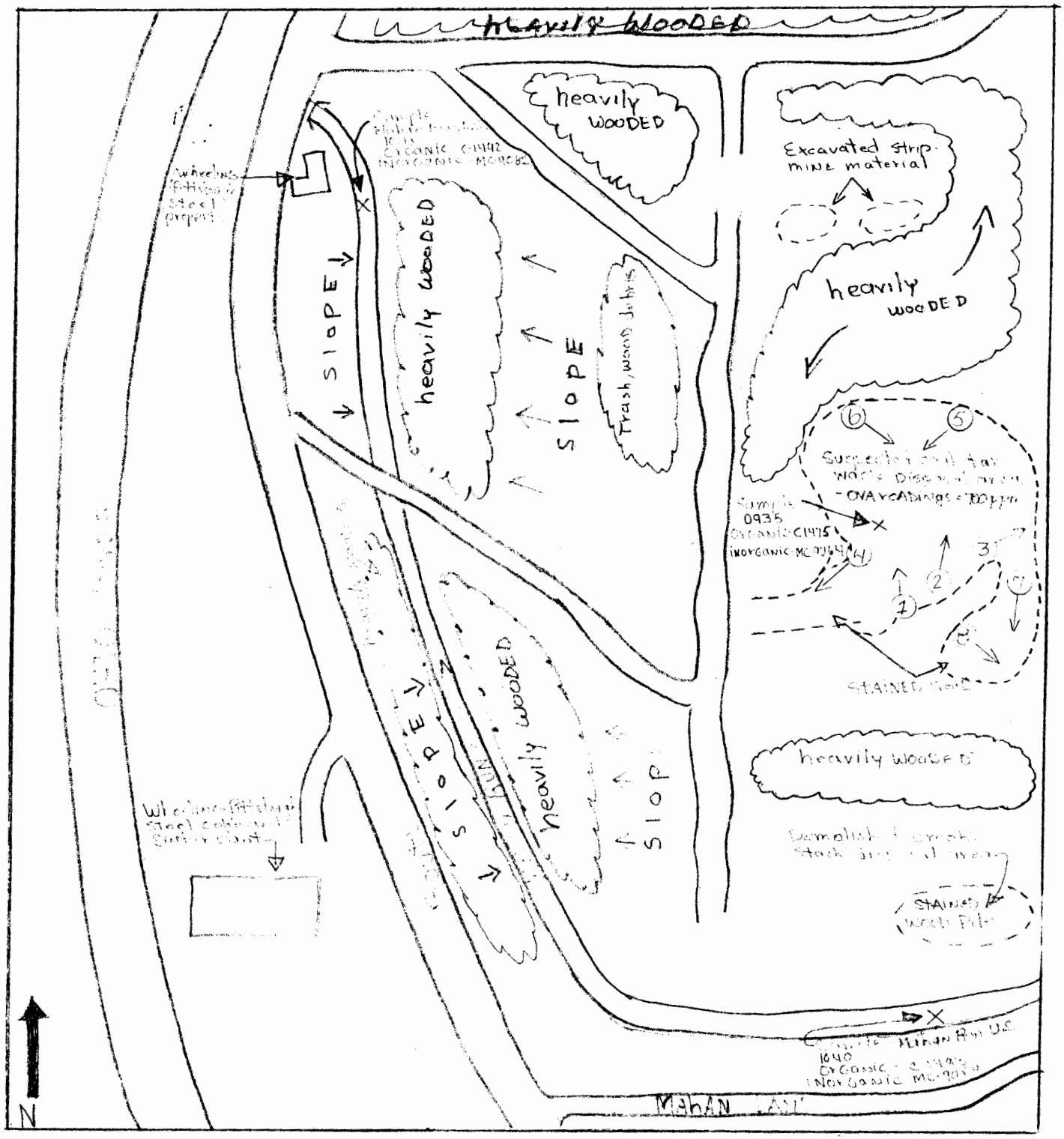
SITE NAME: Wheeling-Pittsburgh Steel

TDD NO.: 8201-10

EPA NO.: WV-50

TITLE: Sampling/Photograph locations

FIGURE NO. 6-2



SOURCE: Site Observations

SCALE: Not to scale

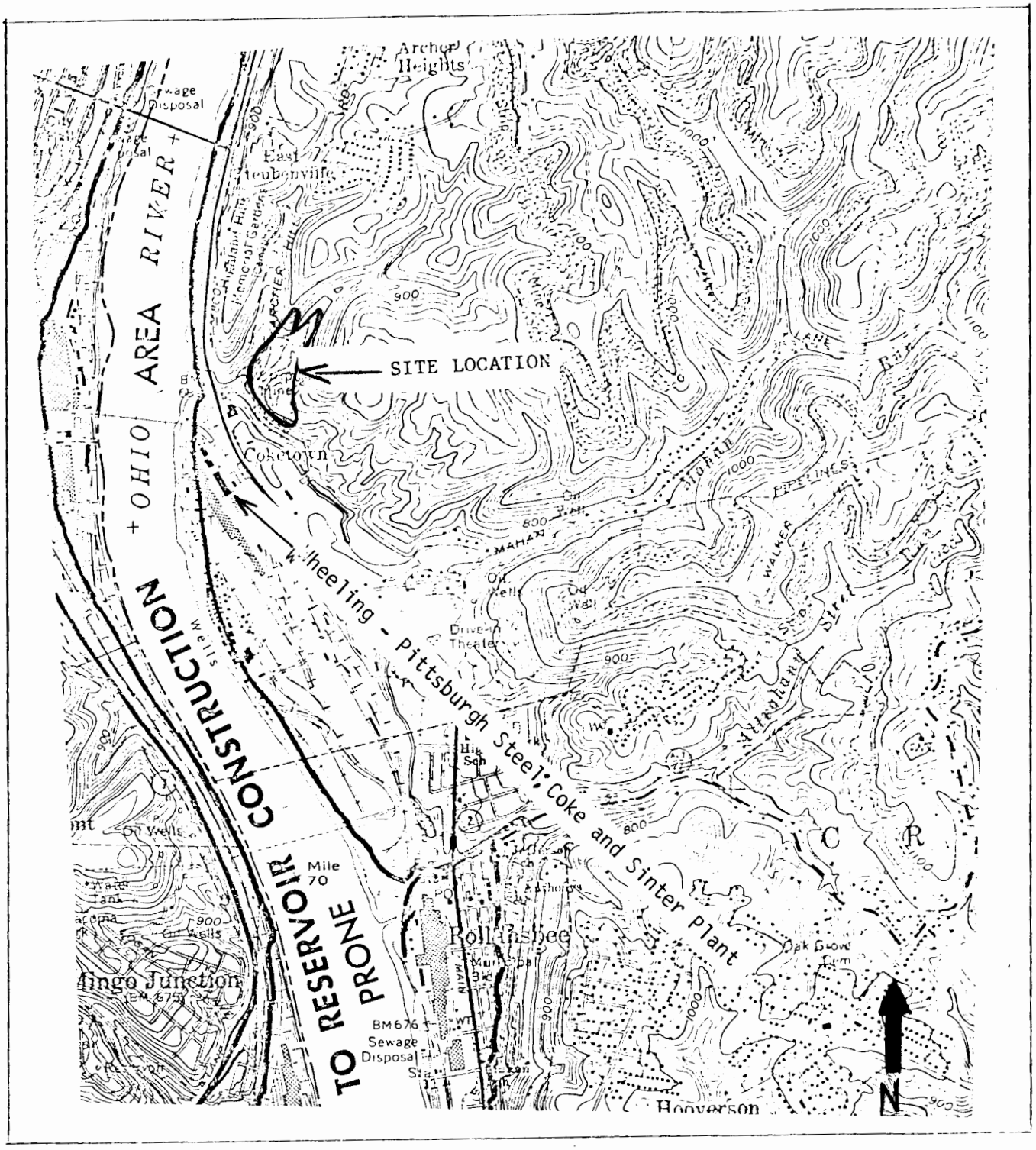
SITE NAME: Wheeling-Pittsburgh steel / Koppers disposal site

TDD NO.: 8201-10

EPA NO.: WV-50

TITLE: Site location Map

FIGURE NO. 6-1



SOURCE: U.S.G.S. Topographic 7½' Quad East Steubenville

SCALE: 1:24000

SECTION 7